

Issued:	October 1997
Status:	Standard
X11 Release:	23

LD 86: Electronic Switched Network 1

Overlay program 86 allows data defining the NARS/BARS/CDP features to be created, modified, and printed.

Prompts and responses

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FEAT = DGT (Digit Manipulation)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	DGT	Feature = DGT (Digit manipulation)
MXLC	0-1000	Maximum number of LOC codes (NARS only)
DMI	(0)-999	Digit Manipulation Index numbers
DEL	(0)-19	Number of leading digits to be Deleted
INST	x...x	Insert
SCCI	(0)-7	Special Common Carrier Index into the SCC data table
CTYP	a...a	Call Type to be used by the manipulated digits (a...a = (NCHG), INTL, NPA, NXX, LOC, CDP, SPN, or UKWN)

FEAT = ESN (Electronic Switched Network)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	ESN	Feature = ESN (Electronic switched network)
MXLC	0-1000	Maximum number of LOC codes (NARS only)
MXSD	xxx	Maximum number of Supplemental Digit restriction blocks
MXIX	xxx	Maximum number of Incoming Trunk Group exclusion tables
MXDM	0-256	Maximum number of Digit Manipulation tables
MXRL	xxx	Maximum number of Route Lists
MXFC	0-256	Maximum number of Free Calling area screening tables
MXFS	0-255	Maximum number of Free Special number screening tables
CDP	(YES) NO	Coordinated Dialing Plan feature for this customer
- MXSC	0-5000	Maximum number of Steering Codes
- NCDP	3-7	Number of digits in CDP DN (DSC + DN or LSC + DN)
MSCC	0-7	Maximum number of Special Common Carrier entries
AC1	xx	One or two digit NARS/BARS Access Code 1
AC2	xx	One or two digit NARS Access Code 2
DLTN	(YES) NO	NARS/BARS Dial Tone after dialing AC1 or AC2 access codes
ERWT	(YES) NO	Expensive Route Warning Tone
- ERDT	0-(6)-10	Expensive Route Delay Time
TODS	aa-aa	Time of Day Schedules
RTCL	(DIS) YES	Routing Controls
NMAP	xx yy	NCOS Map
ETOD	1-7	Extended Time of Day schedule
TGAR	(NO) YES	Check for Trunk Group Access Restrictions

FEAT = ITGE (Incoming Trunk Exclusion)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	ITGE	Feature = ITGE (Incoming Trunk Exclusion)
MXLC	0-1000	Maximum number of LOC codes (NARS only)
ITEI	1-127	Incoming Trunk group Exclusion Index number
RTNO	0-127	Route Number associated with index

FEAT = NAS (Network Attendant Service)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NAS	Feature = NAS (Network Attendant Service)
MXLC	0-1000	Maximum number of LOC codes (NARS only)
TBL	(0)-63	NAS routing Table 0 is the customer routing table
ALT	1-7	Attendant Alternative number
ID	x...x	Digits (up to 16) dialed to reach a remote attendant
TODS	1-31	Schedule period to be changed
- PER	hh mm hh mm	The start and stop times for the schedule period
- DAYS	1-7	Days assigned to the currently defined schedule period.
ALST	1-7	Alternatives List
DBK	(N) Y	Drop Back busy option
QUE	(N) Y	Queuing to a route

FEAT = RLB (Route List)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	RLB	Feature = RLB (Route list)
MXLC	0-1000	Maximum number of LOC codes (NARS only)
RLI	xxx	Route List Index to be accessed
ENTR	xxx	Entry number for NARS/BARS Route list
LTER	(NO) YES	Local Termination entry
ROUT	0-511	Route number
SCNV	(NO) YES	Skip Conventional signaling
TDET	(NO) YES	Tone Detector used
- TYPE	aaa	Type of tone detector application (aaa = TIE, CC1, or CC2)
- TONE	a...a	Tone type expected from SCC (a...a = DIAL or SCC)
TOD	0-7	Time of Day schedule
VNS	(NO) YES	Entry is a VNS route
- VDCH	1-15	VNS D-channel number
- VDMI	xxx	VNS Digit Manipulation Index
- VTRK	1-(20)-254	VNS Trunks
CNV	(NO) YES	Conversion to LDN
EXP	(NO) YES	Expensive route
FRL	(0)-7	Facility Restriction Level
DMI	(0)-999	Digit Manipulation Index
ISDM	(0)-255	ISL D-channel Down Digit Manipulation index
FCI	(0)-255	Free Calling Area Screening Index number
FSNI	(0)-1-255	Free Special Number Screening Index
SBOC	aaa	Step Back on Congestion (aaa = (NRR), RRO, or ROA)
IDBB	aaa	ISDN Drop Back Busy (aaa = (DBD), DBA, or DBI)
IOHQ	(NO) YES	ISDN Off-Hook Queuing option
OHQ	(NO) YES	Off-Hook Queuing allowed
CBQ	(NO) YES	Call Back Queuing
ISSET	(0)-8	Initial Set
MFRL	aaa	Set Minimum Facility Restriction Level (aaa = (MIN) or 0-7)
OVLL	(0)-24	Overlap Length

FEAT = SCC (Special Common Carrier)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	SCC	Feature = SCC (Special Common Carrier)
MXLC	0-1000	Maximum number of LOC codes (NARS only)
SCCI	(0)-7	Special Common Carrier Index
LDN2	(0)-10	Number of digits in SCC type 2 LDN
RBTD	(0)-30	Ringback Tone Delay time

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AC1	xx xxxx	One or two digit NARS/BARS Access Code 1 One to four digit Flexible Numbering Plan Access Code 1 The access code cannot conflict with the numbering plan.	b/nars-1
AC2	xx xxxx	One or two digit NARS Access Code 2 One to four digit Flexible Numbering Plan Access Code 2 The access code cannot conflict with the numbering plan.	nars-1
ALST	1-7	Attendant Alternatives List (up to 4 for each schedule period) If no attendants are placed on the list, local attendant service is given. Precede with X to remove an alternative attendant. The order of the input determines which entry in the alternative list is being changed. For example, to change the third alternative, both the first and second alternatives must be entered.	nas-15
ALT	1-7 X1-X7 <cr>	Attendant Alternative number Clear the alternative number (zero ID store); allowed only if there is no schedule period associated with it. Stop ALT prompt, go to TODS prompt.	nas-15
CBQ	(NO) YES	Call-Back Queuing not allowed Call-Back Queuing allowed This prompt should not be used with NARS DPNSS1. CBQ is not prompted if LTER = YES.	fcby-1
CDP	(YES) NO	Coordinated Dialing Plan feature for this customer	cdp-1
CNV	(NO) YES	Conversion to LDN required (NARS). Not prompted if route is TKTP = ADM or LTER = YES	nars-1

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Prompt	Response	Comment	Pack/Rel
CTYP	(NCHG) INTL NPA NXX LOC CDP SPN UKWN	Call Type to be used by the manipulated digits. This call type must be recognized by the far-end switch. Call type will not be changed Special number in International format NPA NXX Location Code Coordinated Dialing Plan Special Number other than International Unknown call type	pra-15
CUST	xx	Customer number associated with this function as defined in LD 15	basic-1
DAYS	1-7	Days assigned to the currently defined schedule period To remove days from the schedule period precede the number representing the day with X. Up to 7 entries, separated with a space, may be input (Where: 1 = Monday, 7 = Sunday).	nas-15
DBK	(NO) YES	Drop Back busy option disabled Drop Back busy option enabled Up to four entries one for each of the attendant alternatives in this schedule period. If both sides of the ISDN trunk are set to N the remote node accepts the call and reroutes it, thus one side of the trunk must be set to Y. If a node has all the NAS routes with DBK = Y it will be considered by the network as "Centralized Night DN Node". This permits all other nodes in night to reject all attempts of this specific node, even in night, thus the call can only be inserted in this local night DN que. The order of the response to this prompt must correspond to the order of response to the ALST prompt.	nas-15
DEL	(0)-15 (0)-19	Number of leading digits to be Deleted prior to Release 22 Number of leading digits to be Deleted for Release 22	b/nars-1
DLTN	(YES) NO	NARS/BARS Dial Tone after dialing AC1 or AC2 access codes	b/nars-1

Prompt	Response	Comment	Pack/Rel
DMI	(0) (0)-31 (0)-255 (0)-999	Digit Manipulation Index numbers No digit manipulation required CDP NARS/BARS NARS/BARS with Flexible Numbering Plan (FNP) package 160 The maximum number of Digit Manipulation tables is defined by prompt MXDM. DMI is not prompted if route TKTP = ADM.	b/nars-20
ENTR	0-7 0-31 0-63 0-2 0-6 X0-X63	Entry number for NARS/BARS Route List Prior to Release 13 Release 13 and later Release 15 and later Route list entry number for CDP Release 13 and later To remove an entry	esn-1
ERDT	0-(6)-10	Expensive Route Delay Time (in 2 second intervals)	b/nars-1
ERWT	(YES) NO	Expensive Route Warning Tone Note: ERWT is not supported on TIE trunks. ERWT defaults to of three bursts of tone, but may be modified in LD 56 if Flexible Tones and Cadences (FTC) package 125 is equipped, to indicate that the call will be placed over an expensive route. The user has 3 choices: 1. go On-Hook and abort the call 2. remain On-Hook and accept the call 3. activate Ring Again	b/nars-1
ETOD	1-7 X1-X7	Extended Time of Day schedule (day(s) of the week for special TOD schedule) Where:1 = Sunday and 7 = Saturday. To remove a day	b/nars-1
EXP	(NO) YES	Expensive route Not prompted if route TKTP = ADM or LTER = YES	b/nars-1

Prompt	Response	Comment	Pack/Rel
FCI	(0)-127 (0)-255	Free Calling area screening Index number BARS NARS Use 0 if no FCAS is required. Not prompted if route TKTP = ADM.	b/nars-1
FEAT	DGT ESN ITGE NAS RLB SCC	Feature Digit manipulation data block ESN data block Incoming Trunk Group Exclusion data block Network Attendant Service data block Route List data Block Special Common Carrier data block	esn-1
FRL	(0)-7	Facility Restriction Level	b/nars-1
FSNI	(0)-1-255	Free Special Number screening Index	fnp-20
ID	x...x <cr>	Digits (up to 16) dialed to reach a remote attendant Leave ID unchanged, go to ALT prompt.	nas-15
IDBB	(DBD) DBA DBI	ISDN Drop Back Busy Drop Back Disabled (Default for Release 20 and later) Drop Back if All routes busy (Default prior to Release 20) Drop Back if Initial set busy. IDBB appears if ISDN=YES in LD 15	orc/orq-16
INST	x...x x...x y...y	Insert. Where x...x is: • up to 24 leading digits may be Inserted prior to Release 22 • up to 31 leading digits may be inserted for Release 22 and later For Specialized Common Carriers (SCC), up to 23 leading digits may be inserted including: access number, delimiter*, and authorization code.	b/nars-1
IOHQ	(NO) YES	ISDN Off-Hook Queuing option Prompted if ISDN = YES in LD 15.	ohq-16

Prompt	Response	Comment	Pack/Rel
ISDM	(0)-255 (0) (0)-31 (0)-127 (0)-999	ISL D-channel Down Digit Manipulation Index number. Not prompted if route TKTP = ADM or LTER = YES No digit manipulation required CDP NARS/BARS (in Release 17) NARS/BARS with Flexible Numbering Plan (FNP) package 160. When the ISL D-channel goes down, this Digit Manipulation Index is used to perform the Digit Manipulation which includes the ESN access code insertion capability. This is only used when the ISL reverts back to conventional signaling. When the D-channel is up the existing DMI is used to perform digit manipulation. This DMI is only used when the ISL D-channel is down. Any valid DMI can be entered. The ISDM is intended to be a DMI which inserts an ESN access code.	is1-17
ISSET	(0)-8 (0)-64	Initial Set. Number of entries in Initial Set for route list block. Initial Set. Release 13 and later	b/nars-1
ITEI	1-127 1-255	Incoming Trunk group Exclusion Index BARS NARS	b/nars-5
LDN2	(0)-10	Number of digits in SCC type 2 LDN	b/nars-1
LTER	(NO) YES	Local Termination entry	fgd-17
MFRL	(MIN) 0-7	Set Minimum Facility Restriction Level used to determine autocode prompting. Use default of MIN to set to the minimum FRL value.	b/nars-1
MSCC	0-7	Maximum number of Special Common Carrier (SCC) entries	nars-1

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Prompt	Response	Comment	Pack/Rel
MXDM	0-32 0-256 0-1000	Maximum number of Digit Manipulation tables (you must count Table 0 for the system) CDP NARS/BARS NARS/BARS with Flexible Numbering Plan (FNP) package 160 equipped	esn-1
MXFC	0-127 0-255	Maximum Free Calling area screening tables BARS NARS Prompted when NARS/BARS equipped	b/nars-1
MXFS	0-255	Maximum number of Free Special Number Screening tables	b/nars-1
MXIX	0-127 0-255	Maximum number of Incoming Trunk Group Exclusion tables (use "0" if not required) BARS NARS	b/nars-5
MXLC	0-999	Maximum number of LOC codes (NARS only)	nars-1
MXRL	0-32 0-128 0-128 0-256 0-1000	Maximum number of Route Lists If MXRL = 0, the system will not allow the creation of any route lists. CDP CDP (Release 13 and later) BARS NARS NARS with Flexible Numbering Plan (FNP) package 160 equipped	esn-1
MXSC	0-5000 0-8000 0-10000 0-32000	Maximum number of Steering Codes prior to Release 13 Maximum number of Steering Codes for Option 11 Maximum number of Steering Codes for Release 13 and later in North America Maximum number of Steering Codes for Release 13 and later outside North America	cdp-1

Prompt	Response	Comment	Pack/Rel
MXSD	0-32 0-128 0-256 0-256 0-512 (0)-1500	Maximum Supplemental Digit restriction blocks BARS BARS Release 4 BARS Release 5 and later NARS NARS Release 5 and later Range for both BARS and NARS in Release 22 and later	b/nars-1
NCDP	3-7 3-10	Define DN length for CDP A Coordinated Dialing Plan (CDP) consists of the CDP code and the Directory Number (DN). This dialing plan does not need an access code because the CDP code is part of the internal dialing plan. The CDP code is one of the following: the Distant Steering Code (DSC) or the Local Steering Code (LSC) Number of digits in CDP DN (DSC + DN or LSC + DN) Number of digits in CDP DN with Directory Number Expansion (DNXP) package 150	cdp-1
NMAP	xx yy	NCOS Map (NCOS numbers to be applied for routing controls). Where: • xx = current NCOS number • yy = NCOS number to be applied for BARS/CDP or NARS when routing control is in effect. NCOS ranges: • 0-3 with CDP • 0-7 with BARS/NFCR • 0-15 with NARS • 0-99 with Release 13 and later	ncos-1
OHQ	(NO) YES	Off-Hook Queuing not allowed Off-Hook Queuing allowed This prompt should not be used with NARS DPNSS1. OHQ is not prompted if LTER = YES.	bars-1

Prompt	Response	Comment	Pack/Rel
OVLL	(0)-16 (0)-24	Overlap Length (prior to Release 22) Overlap Length (Release 22 and later) Number of digits dialed (after the ESN access code) before SETUP message is sent or outpulsing begins. If OVLL = 0, Overlap Sending is controlled by the number of digits in the ESN or CDP steering codes (e.g. FLEN).	ovlp-16
PER	hh mm hh mm	The start and stop times for the schedule period (the start time must be less than the stop time)	
QUE	(NO) YES	Queuing to a route disabled Queuing to a route enabled Up to four entries one for each of the attendant alternatives in this schedule period. The order of the response to this prompt must correspond to the order of response to the ALST prompt.	
RBTD	(0)-30	Ringback Tone Delay time in seconds for SCC (only even numbers will be accepted)	nars-1
REQ	CHG END LCHG NEW OUT PRT	Request Change existing data block. Exit Overlay program. Print date and time that each data group was last changed (data groups include: ESN, DGT, NAS, RLB, SCC, and ITGE) Create new data block. Remove data block. Print data block.	esn-1
RLI	0-31 0-127 0-255 0-999	Route List Index to be accessed CDP CDP (Release 13 and later) and BARS NARS FNP	esn-20
ROUT	0-511	Route number Not prompted if LTER = YES.	esn-1
RTCL	(DIS) YES	Disable Routing Controls. Enable or modify Routing Controls.	esn-1

Prompt	Response	Comment	Pack/Rel
RTNO	0-511	Route Number associated with index Precede with X to delete an existing route.	b/nars-5
SBOC	(NRR) RRO RRA	Step Back on Congestion No Reroute Reroute if originating node, step back if transit node. Reroute all.	dpnss1-16
SCCI	(0)-7	Special Common Carrier Index into the SCC data table Use "0" if not required.	nars-1
SCNV	(NO) YES	Skip Conventional Signaling.	
TBL	(0)-63	NAS routing table. 0 is the customer routing table. It is also associated with Attendant Console Group 0.	nars-16
TDET	(NO) YES	Tone Detector used Not prompted if route TKTP = ADM or LTER = YES.	nars-1
TGAR	(NO) YES	Check for Trunk Group Access Restrictions Ignore TGAR/TARG when call is placed through BARS. Examine TGAR/TARG when call is placed through BARS.	esn-1
TOD	0-1 0-7	Time of Day schedule CDP NARS/BARS Precede with X to turn off schedule.	esn-1
TODS	1-31 0 0-1 0-7 0-7 hh mm hh mm 0-1 hh mm hh mm X1-X31 X0 <cr>	Time of Day schedule Schedule period to be changed. Catch-all period. Start and stop times are not relevant for this period. The next prompt is ALST. CDP NARS/BARS Schedule number, start hour, start minute, end hour, end minute for NARS/BARS. Schedule number, start hour, start minute, end hour, end minute for CDP. Remove the schedule period Remove/clear all alternatives associated with period 0. This leaves the catch-all treatment as local attendant treatment. End NAS feature data setup and return to REQ prompt.	esn-1

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Prompt	Response	Comment	Pack/Rel
TONE	SCC DIAL	SCC dial tone type expected Normal dial tone type expected	nars-1
TYPE	CC1 CC2 TIE	SCC Type 1 tone detector application SCC type 2 tone detector application On-network call tone detector application	
VDCH	1-15	VNS D-channel number	vns-16
VDMI		VNS Digit Manipulation Index number for the D-channel (ESN routing) (0) No digit manipulation required 1-31 CDP 1-255 NARS/BARS 0-999 With Flexible Numbering Plan (FNP) package 160	vns-16
VNS	(NO) YES	Entry is a VNS route Prompted for DID,TIE and CO.	vns-16
VTRK	1-(20)-100 1-(20)-254	VNS Trunks (maximum number of VNS Trunks to be used by this route list entry) VTRK range for Release 22	vns-16
